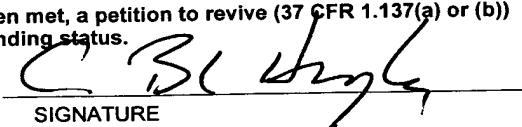
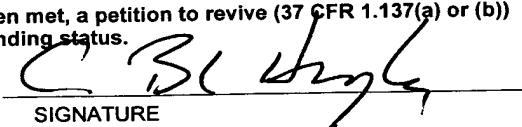
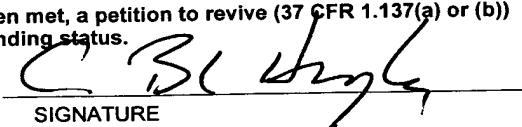


FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE (REV. 12-2004)		ATTORNEY'S DOCKET NUMBER 05-135	
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/524596	
INTERNATIONAL APPLICATION NO. PCT/GB03/003661	INTERNATIONAL FILING DATE 21 August 2003 (21.08.03)	PRIORITY DATE CLAIMED 03 September 2002 (03.09.02)	
TITLE OF INVENTION Millimetre-Wave Detection Device For Discriminating Between Different Materials			
APPLICANT(S) FOR DO/EO/US 1) Rupert Nicholas Anderton 2) Paul Antony Manning 3) Kevin James Palmer			
<p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p>			
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</p> <p>11. <input type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409).</p> <p>12. <input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210).</p>			
Items 13 to 23 below concern document(s) or information included:			
<p>13. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>14. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>15. <input checked="" type="checkbox"/> A FIRST preliminary amendment.</p> <p>16. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</p> <p>17. <input type="checkbox"/> A substitute specification.</p> <p>18. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>19. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</p> <p>20. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>21. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).</p> <p>22. <input checked="" type="checkbox"/> Express Mail Label No. EV565834400US</p> <p>23. <input checked="" type="checkbox"/> Other items or information:</p>			
12 Sheets of Drawings; Filing Fee Check; Application Data Sheet			

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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24. The following fees are submitted: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"><input checked="" type="checkbox"/> a) Basic national fee</td> <td style="width: 10%; text-align: right;">\$300.00</td> <td style="width: 60%;"></td> </tr> <tr> <td><input type="checkbox"/> b) Examination fee</td> <td style="text-align: right;">\$200.00</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> c) Search fee</td> <td style="text-align: right;">\$500.00</td> <td></td> </tr> <tr> <td colspan="2" style="text-align: right;">TOTAL OF ABOVE CALCULATIONS =</td> <td style="text-align: right;">\$1000.00</td> </tr> <tr> <td colspan="3" style="text-align: center;"><input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.</td> <td colspan="3"></td> </tr> <tr> <td>Total Sheets</td> <td>Extra Sheets</td> <td>Number of each additional 50 or fraction thereof (round up to a whole)</td> <td colspan="3">RATE</td> </tr> <tr> <td>38 - 100 =</td> <td>-62 /50 =</td> <td>0</td> <td colspan="3" style="text-align: right;">x \$250.00</td> </tr> <tr> <td colspan="6" style="text-align: center;">Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).</td> </tr> <tr> <td>CLAIMS</td> <td>NUMBER FILED</td> <td>NUMBER EXTRA</td> <td colspan="3">RATE</td> </tr> <tr> <td>Total claims</td> <td>27 - 20 =</td> <td>7</td> <td colspan="3" style="text-align: right;">x \$50.00</td> </tr> <tr> <td>Independent claims</td> <td>2 - 3 =</td> <td>0</td> <td colspan="3" style="text-align: right;">x \$200.00</td> </tr> <tr> <td colspan="6" style="text-align: center;">MULTIPLE DEPENDENT CLAIMS (if applicable) <input type="checkbox"/> + \$360.00</td> </tr> <tr> <td colspan="6" style="text-align: center;">TOTAL OF ABOVE CALCULATIONS = \$1,350.00</td> </tr> <tr> <td colspan="6" style="text-align: center;"><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.</td> </tr> <tr> <td colspan="6" style="text-align: center;">SUBTOTAL = \$1,350.00</td> </tr> <tr> <td colspan="6" style="text-align: center;">Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).</td> </tr> <tr> <td colspan="6" style="text-align: center;">TOTAL NATIONAL FEE = \$1,350.00</td> </tr> <tr> <td colspan="6" style="text-align: center;">Fee for recording the enclosed assignment (37 CFR 1.21(h)). 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A duplicate copy of this sheet is enclosed. </td> </tr> <tr> <td colspan="6"> d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. </td> </tr> <tr> <td colspan="6"> NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. </td> </tr> <tr> <td colspan="6"> SEND ALL CORRESPONDENCE TO: A. Blair Hughes McDonnell Boehnen Hulbert & Berghoff LLP 300 S. Wacker Drive Chicago, IL 60606 </td> </tr> <tr> <td colspan="6">  SIGNATURE A. Blair Hughes NAME 32,901 REGISTRATION NUMBER </td> </tr> <tr> <td colspan="6"> Dated: February 15, 2005 </td> </tr> </table>						<input checked="" type="checkbox"/> a) Basic national fee	\$300.00		<input type="checkbox"/> b) Examination fee	\$200.00		<input checked="" type="checkbox"/> c) Search fee	\$500.00		TOTAL OF ABOVE CALCULATIONS =		\$1000.00	<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.						Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole)	RATE			38 - 100 =	-62 /50 =	0	x \$250.00			Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).						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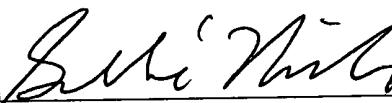
DT05 Rec'd PCT/PTO 15 FEB 2005

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

Express Mail No. EV565834400US

Deposited: February 15, 2005

I hereby certify that the attached correspondence, identified below, is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" under 37 CFR § 1.10 on the date indicated above and is addressed to the Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By: 
(person *actually* depositing)

Patent Application of: Anderton et al.

Title: Millimetre-Wave Detection Device for Discriminating Between Different Materials

- Copy of International Application
- Transmittal Letter to the United States Designated/Elected Office (DO/EO/US)
- Postcard
- Copy of International Search Report
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- Check
- Application Data Sheet
- Preliminary Amendment
- 12 Sheets of Drawings

Attorney Docket No.: 05-135